

FORM PTO-1449
(Rev. 2-32)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.
00-873-I (500.011)

Serial No.
10/715,285

**SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Applicant:

Filing Date:

November 17, 2003

Group:

1635

U.S. PATENT APPLICATION DOCUMENTS

Examiner Initial		Document Number	Filing Date	Name	Class	Subclass	Publication Date if Appropriate
	*	US-2002/0086356	03/30/01	Tuschi et al.			07/04/02
	*	US-2002/0151693	02/08/01	Breaker et al.			10/17/02
	*	US-2003/0059944	09/13/02	Lois-Caballe et al.			03/27/03
	*	US-2003/0064945	07/25/01	Akhtar et al.			04/03/03
	*	US-2003/0143732	08/30/02	Fosnaugh et al.			07/31/03
	*	US-2003/0190635	07/25/02	McSwiggen et al.			10/09/03
	*	US-2003/0206887	09/16/02	Morrissey et al.			10/09/03
	*	US-2004/0019001	07/26/02	McSwiggen et al.			01/29/04
	*	US-2004/0161844	11/04/03	Baker et al.			08/19/04
	*	US-2005/0020521	09/25/05	Rana, Tariq M.			01/27/05
	*	US-2005/0182005	05/13/04	Tuschi et al.			02/18/05
	*	US-2005/0227256	11/26/04	Hutvagner et al.			10/13/05

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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	*	5,587,471	12/24/96	Cook et al.			

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*	5,814,620	09/29/98	Robinson et al.			
*	5,898,031	04/27/99	Crooke, Stanley T.			
*	5,998,148	12/07/99	Bennett et al.			
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*	6,060,456	05/09/00	Arnold et al.			
*	6,107,094	08/22/00	Crook, Stanley T.			
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*	6,506,559	01/14/03	Fire et al.			
*	6,573,099	06/03/03	Graham et al.			
*	6,824,972	11/30/04	Kenwrick et al.			
*	7,022,828	04/04/06	McSwiggen et al.			
*	7,078,196	07/18/06	Tuschl et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclas s	Translation	
							Yes	No
	1.	2001240375 (Old Application No. 40375/01)	03/16/01	AU (Graham et al.)				

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2.	2,359,180	08/03/00	CA (Kreutzer et al.)				
3.	1325955	01/04/02	EP (Klippel-Gese et al.)				
4.	1389637	08/05/02	EP (Klippel et al.)				
5.	1144623 B1	01/29/02	EP (Kreutzer et al.)				
6.	08208687	08/13/96	JP (Hotoda et al.) ABSTRACT ONLY				
7.	90/14090	11/29/90	WO (Gillespie et al.)				
8.	94/01550	01/20/94	WO (Agrawal et al.)				
9.	95/04142	02/09/95	WO (Robinson)				
10.	99/07409	02/18/99	WO (Deschamps de Paillette et al.)				
11.	99/14226	03/25/99	WO (Wengel et al.)				
12.	99/32619	07/01/99	WO (Fire et al.)				
13.	99/49029	09/30/99	WO (Graham et al.)				
14.	99/53050	10/21/99	WO (Waterhouse et al.)				
15.	99/61631	12/02/99	WO (Heifetz et al.)				
16.	00/01846	01/13/00	WO (Plaetinck et al.)				
17.	00/21560	04/20/00	WO (Alitalo et al.)				
18.	00/44895	08/03/00	WO (Kreutzer et al.)				
19.	00/44914	08/03/00	WO (Li et al.)				
20.	00/49035	08/24/00	WO (Sheen)				

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	21.	00/63364	10/26/00	WO (Pachuk et al.)				
	22.	01/04313	01/18/01	WO (Sathishchandran et al.)				
	23.	01/29058	04/26/01	WO (Mello et al.)				
	24.	01/36646	05/25/01	WO (Zernicka-Goetz et al.)				
	25.	01/38551	05/31/01	WO (Grossniklaus)				
	26.	01/42443	06/14/01	WO (Churikov et al.)				
	27.	01/49844	07/12/01	WO (Driscoll et al.)				
	28.	01/53475	07/26/01	WO (Cogoni et al.)				
	29.	01/68836	09/20/01	WO (Beach et al.)				
	30.	01/70944	09/27/01	WO (Honer et al.)				
	31.	01/70949	09/27/01	WO (Graham et al.)				
	32.	01/72774	10/04/01	WO (Deak et al.)				
	33.	01/75164	10/11/01	WO (Tuschl et al.)				
	34.	01/92513	12/06/01	WO (Arndt et al.)				
	35.	01/96584	12/20/01	WO (Mushegian et al.)				
	36.	01/97850	12/27/01	WO (Siemeister et al.)				
	37.	02/07747	01/31/02	WO (King)				
	38.	02/10378	02/07/02	WO (Cowser et al.)				
	39.	02/22636	03/21/02	WO (Bennett et al.)				
	40.	02/38805	05/16/02	WO (Echeverri et al.)				

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41.	02/44321	06/06/02	WO (Tuschl et al.)				
42.	02/055692	01/09/02	WO (Kreutzer et al.)				
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44.	02/096927	12/05/02	WO (Escobedo et al.)				
45.	03/044188	11/21/02	WO (Tei et al.)				
46.	03/064625	08/07/03	WO (Woolf et al.)				
47.	03/064626	08/07/03	WO (Woolf et al.)				
48.	03/068797	08/21/03	WO (Rossi et al.)				
49.	03/070887	08/28/03	WO (McSwiggen et al.)				
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52.	03/074654 (PCT/US03/05028)	09/12/03	WO (McSwiggen et al.)				
53.	03/080638	10/02/03	WO (LaCasse et al.)				
54.	04/029212	04/08/04	WO (Rana, Tariq M.)				
55.	04/043977	05/27/04	WO (Prakush et al.)				
56.	04/048566	11/21/03	WO (Saigo et al.)				
57.	04/072261	08/26/04	WO (Li et al.)				
58.	04/090105	10/21/04	WO (Leake et al.)				
59.	05/049821	11/18/04	WO (Naito et al.)				

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

60.	Adah et al., "Chemistry and Biochemistry of 2',5'-Oligoadenylate-Based Antisense Strategy," <i>Current Medicinal Chemistry</i> , 8, 1189-1212 (2001)
61.	Alexeev et al., "Localized in vivo genotypic and phenotypic correction of the albino mutation in skin by RNA-DNA oligonucleotide," <i>Nature Biotechnology</i> , 18:43-47 (2000)
62.	Bahramian et al., "Transcriptional and Posttranscriptional Silencing of Rodent $\alpha 1(I)$ Collagen by a Homologous Transcriptionally Self-Silenced Transgene," <i>Molecular and Cellular Biology</i> , 274-283 (1999)
63.	Bass, "Double-Stranded RNA as a Template for Gene Silencing," <i>Cell</i> , 101, 235-238 (2000)
64.	Bass, "The short answer," <i>Nature</i> 411:428-429 (2001)
65.	Bayard et al., "Increased stability and antiviral activity of 2'-O-phosphoglycerol derivatives of (2'-5')oligo(adenylate)," <i>Eur. J. Biochem.</i> , 142(29):291-298 (1984)
66.	Bellon et al., "4-Thio-oligo- β -D-ribonucleotides: synthesis of β -4'-thio-oligouridylates, nuclease resistance, base pairing properties, and interaction with HIV-1 reverse transcriptase," <i>Nucleic Acids Research</i> , 21(7):1587-1593 (1993)
67.	Bernstein et al., "Role for a Bidentate Ribonuclease in the Initiation Step of RNA Interference," <i>Nature</i> 409:363-366 (2001)
68.	Bernstein et al., "The rest is silence," <i>RNA</i> , 7:1509-1521 (2001)
69.	Bitko et al., "Phenotypic silencing of cytoplasmic genes using sequence-specific double-stranded short interfering RNA and its application in the reverse genetics of wild type negative-strand RNA viruses," <i>BMC Microbiology</i> , 1:34 (11 pgs) (2001)
70.	Braasch et al., "Novel Antisense and Peptide Nucleic Acid Strategies for Controlling Gene Expression," <i>Biochemistry</i> , 31:14, 4503-4510 (2002)

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71.	Braasch et al., "RNA Interference in Mammalian Cells by Chemically-Modified RNA," <i>Biochemistry</i> , 42, 7967-7975 (2003)
72.	Caplen, Natasha J., "RNAi as a gene therapy approach," <i>Expert Opin. Biol. Ther.</i> , 3(4):575-586 (2003)
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74.	Claverie, Jean-Michel, "Fewer Genes, More Noncoding RNA," <i>Science</i> , 309, 1529-1530 (2005)
75.	Clemens et al., "The Double-Stranded RNA-Dependent Protein Kinase PKR: Structure and Function," <i>Journal of Interferon and Cytokine Research</i> , 17:503-524 (1997)
76.	Czech, Michael P., "MicroRNAs as Therapeutic Targets," <i>The New England Journal of Medicine</i> , 354, 1194-1195 (2006)
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82.	Fire, "RNA-triggered Gene Silencing," <i>TIG</i> 15:358-363 (1999)
83.	Futami et al., "Induction of Apoptosis in HeLa Cells with siRNA Expression Vector Targeted Against bcl-2," <i>Nucleic Acids Research Supplement</i> 2:251-252 (2002)
84.	Hamasaki et al., "Short interfering RNA-directed inhibition of hepatitis B virus replication," <i>FEBS Letters</i> , 543:51-54 (2003)

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88.	Harborth et al., "Sequence, Chemical, and Structural Variation of Small Interfering RNAs and Short Hairpin RNAs and the Effect on Mammalian Gene Silencing," <i>Antisense and Nucleic Acid Drug Development</i> , 13:83-105 (2003)
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92.	Hutvagner et al., "A Cellular Function for the RNA-Interference Enzyme Dicer in the Maturation of the let-7 Small Temporal RNA," <i>Science</i> 293:834-838 (2001)
93.	Judge et al., "Sequence-dependent stimulation of the mammalian innate immune response by synthetic siRNA," <i>Nature Biotechnology</i> , 23(4):457-462 (2005)
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95.	Kuwabara et al., "A <i>C. elegans</i> patched gene, <i>ptc-1</i> , functions in germ-line cytokinesis," <i>Genes and Development</i> , 14(15):1933-1944 (2000)
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104.	Opalinska et al., "Nucleic-Acid Therapeutics: Basic Principles and Recent Applications," <i>Nature Reviews Drug Discovery</i> , (1):503-514 (2002)
105.	Parrish, "Functional Anatomy of a dsRNA Trigger: Differential Requirement for the Two Trigger Strands in RNA Interference," <i>Molecular Cell</i> 6:1077-1087 (2000)
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111.	Tuschl et al., "Targeted mRNA Degradation by Double-Stranded RNA In Vitro," <i>Genes & Development</i> 13: 3191-3197 (1999)
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	113.	Vickers et al., "Efficient Reduction of Target RNAs by Small Interfering RNA and RNase H-dependent Antisense Agents," <i>Journal of Biological Chemistry</i> , 278, 7108-7118 (2003)
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